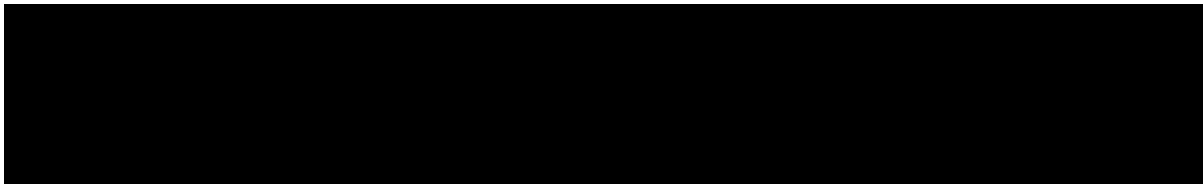




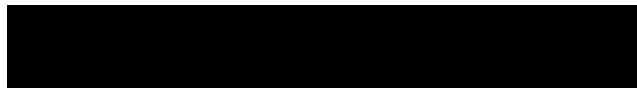
Fleet Weather Center - Norfolk

Data Capture - Aircraft MISHAP 03 MAY 2019

NAS JACKSONVILLE



07MAY2019





Assessment

BLUF: Although there was adverse weather (low clouds, low visibility, rain and fog) in the Jacksonville area, the weather observed at the time of the aircraft incident was IAW forecast weather for NAS Jacksonville as disseminated in the 03/23Z TAF.



Background

Time of Incident:

03 May 2019 2149 EDT (04/0149Z)

A charter plane carrying 143 people and traveling from Cuba to north Florida sits in a river at the end of a runway, Saturday, May 4, 2019 in Jacksonville, Fla. The Boeing 737 arriving at Naval Air Station Jacksonville from Naval Station Guantanamo Bay, Cuba, with 136 passengers and seven aircrew slid off the runway Friday night into the St. Johns River. All 136 passengers and seven crew on board the flight from Guantanamo Bay in Cuba survived the crash at about 2149.





Meteorological Situation

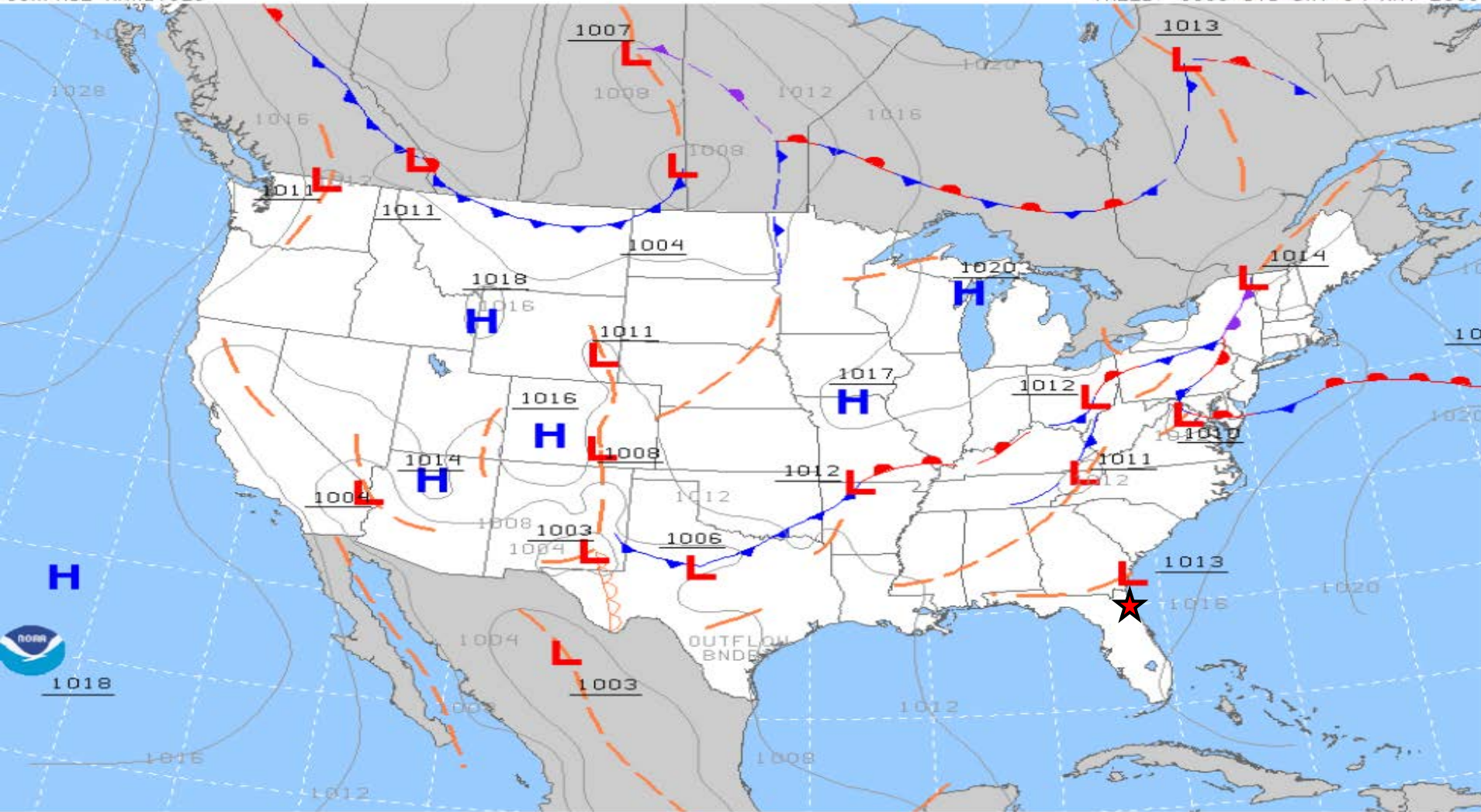
- A WARM FRONT OVER THE NE PORTION WILL PASS N OF THE AREA TONIGHT. A COLD FRONT WILL MOVE SE ACROSS THE N WATERS EARLY SAT, AND STALL OVER THE AREA LATER SAT INTO SUN. LOW PRESSURE WILL MOVE E OVER THE NORTHERN WATERS SUN AND SUN NIGHT WHILE PULLING ANOTHER COLD FRONT ACROSS THE WATERS. HIGH PRESSURE WILL BUILD E OVER THE N AND CENTRAL AREAS MON THROUGH TUE, SHIFT S OVER THE CENTRAL AND S WATERS TUE AND TUE NIGHT, THEN PASS E OF THE AREA WED AND WED NIGHT. A COLD FRONT WILL MOVE INTO THE N WATERS WED, THEN INTO THE CENTRAL WATERS WED NIGHT.



NWS Surface Analysis - VT 040000ZMAY19

SURFACE ANALYSIS

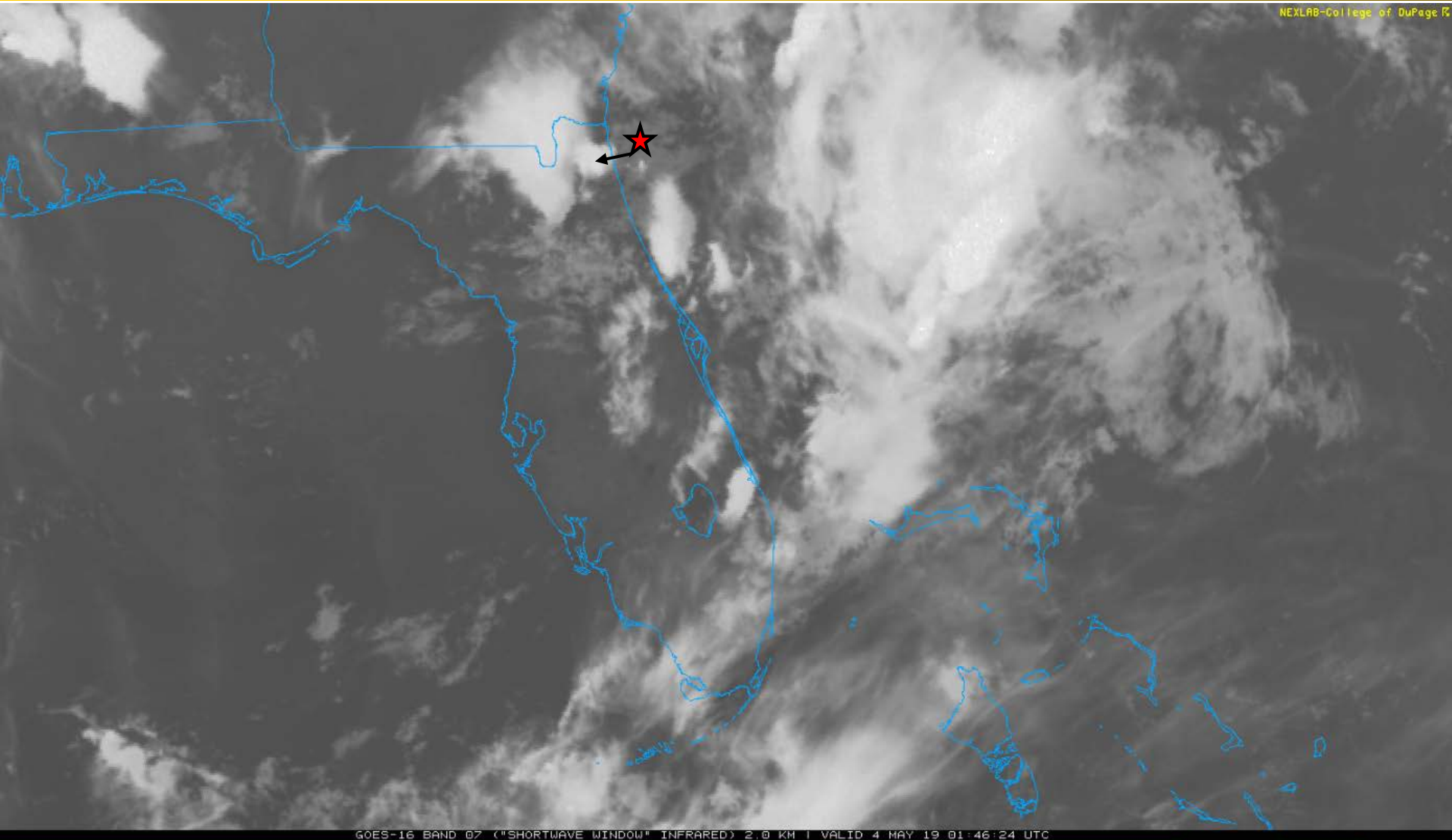
VALID: 0000 UTC SAT 04 MAY 2019





Infrared Satellite Imagery

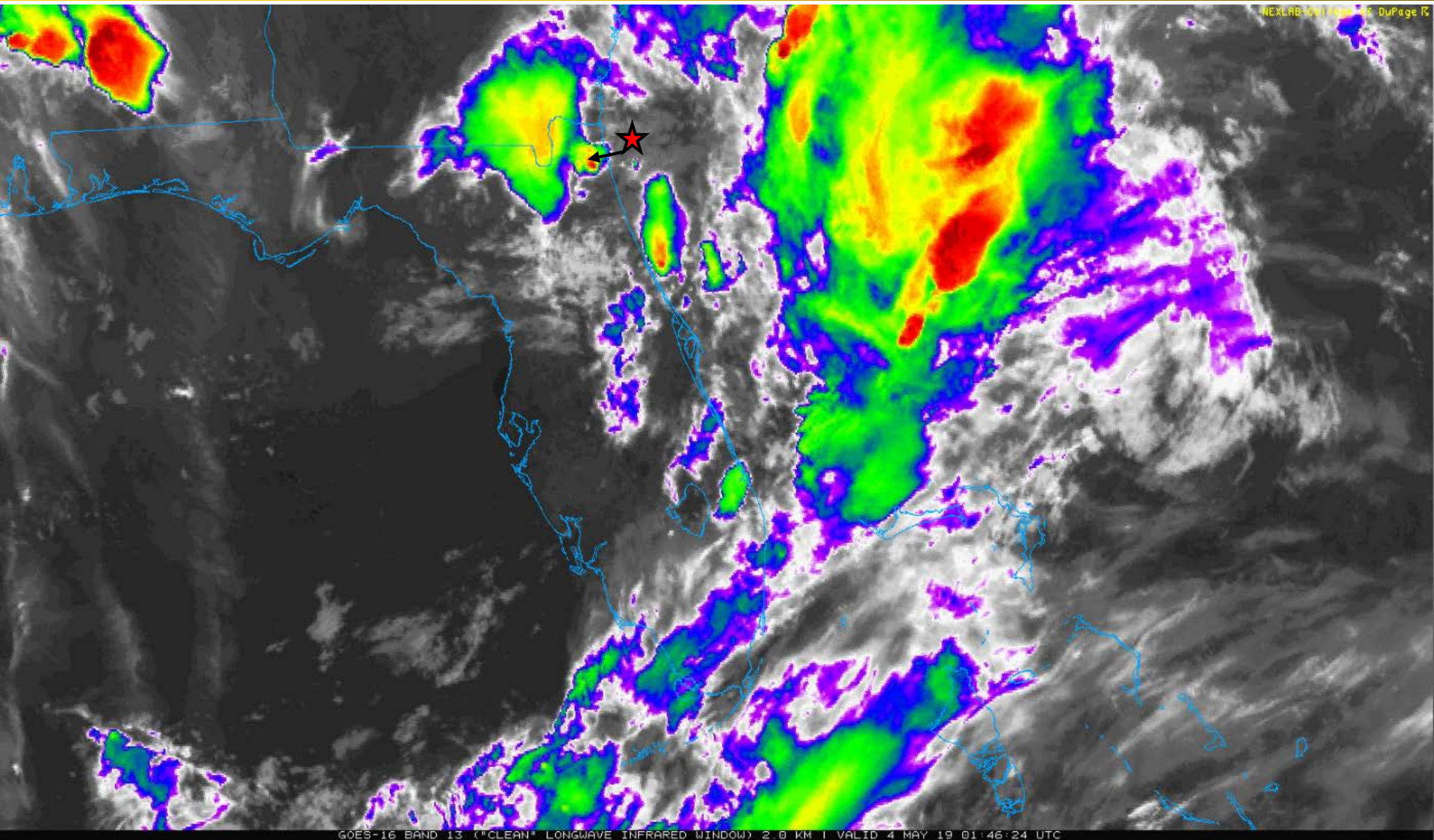
040146Z MAY 19





Enhanced Infrared Satellite Imagery

040146Z MAY 19

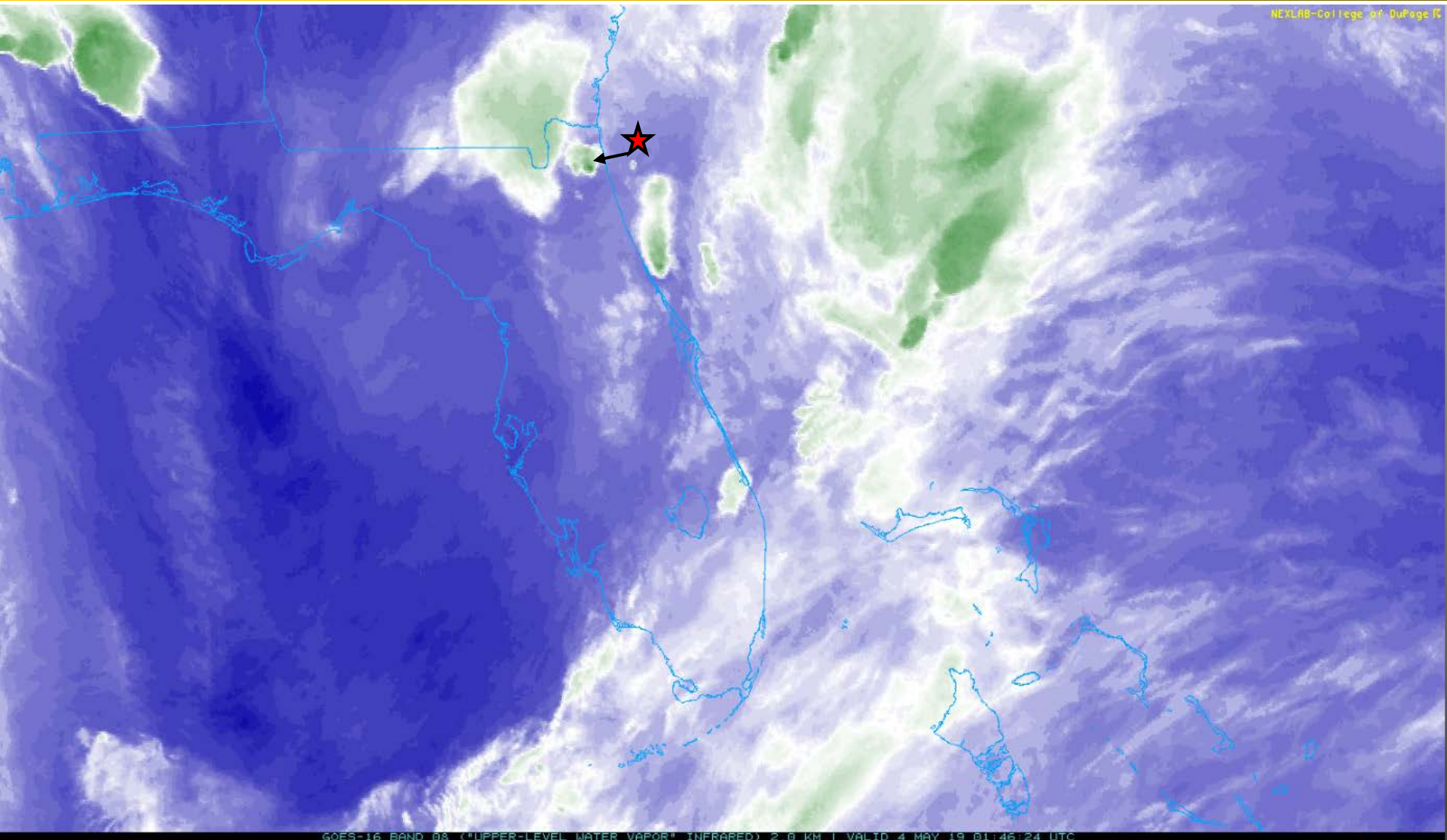


GOES-16 BAND 13 ("CLEAN" LONGWAVE INFRARED WINDOW) 2.0 KM 1 VALID 4 MAY 19 01:46:24 UTC



Water Vapor Satellite Imagery

040146Z MAY 19

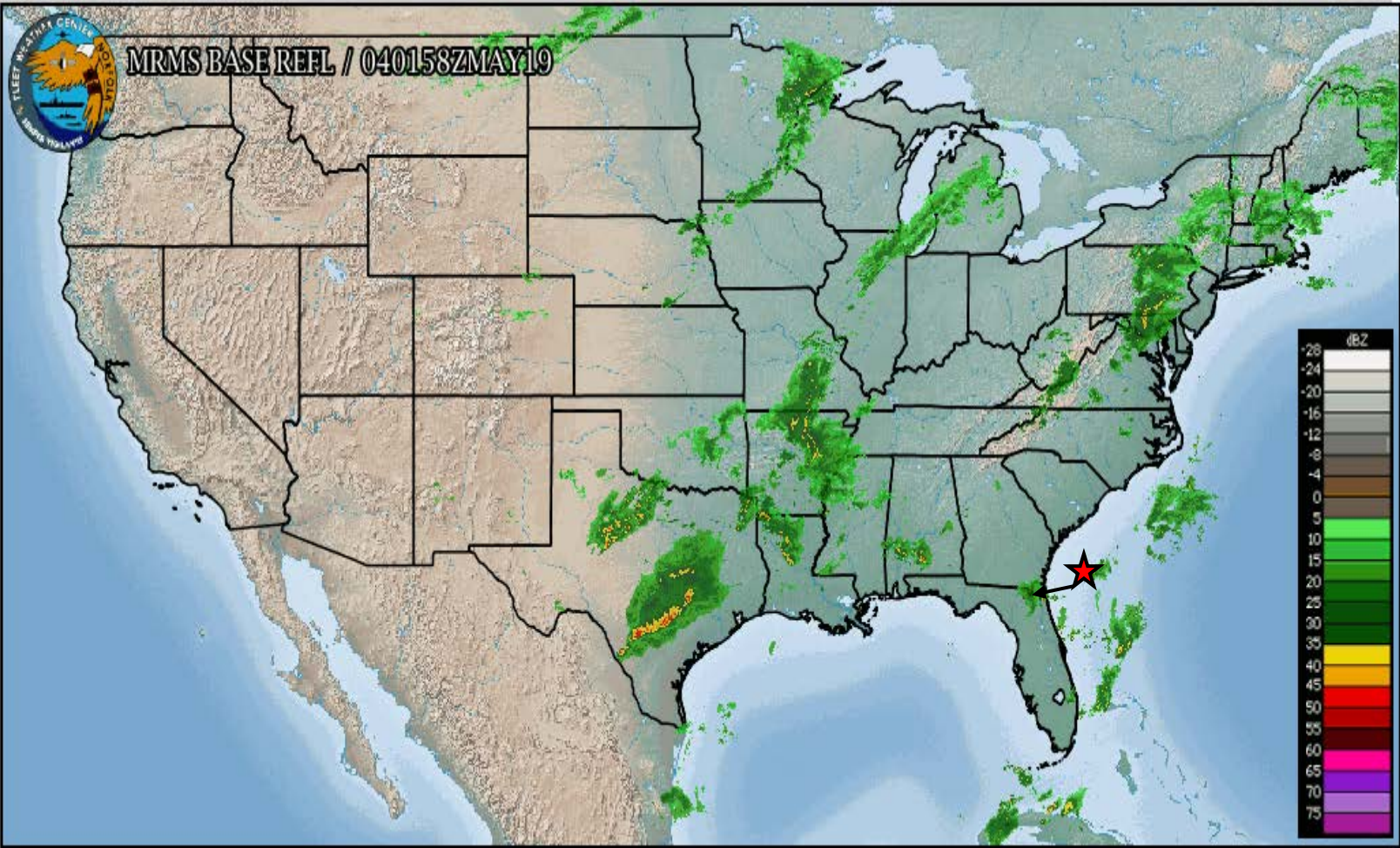


GOES-16 BAND 08 ("UPPER-LEVEL WATER VAPOR" INFRARED) 2.0 KM 1 VALID 4 MAY 19 01:46:24 UTC



FWC-N Radar Summary

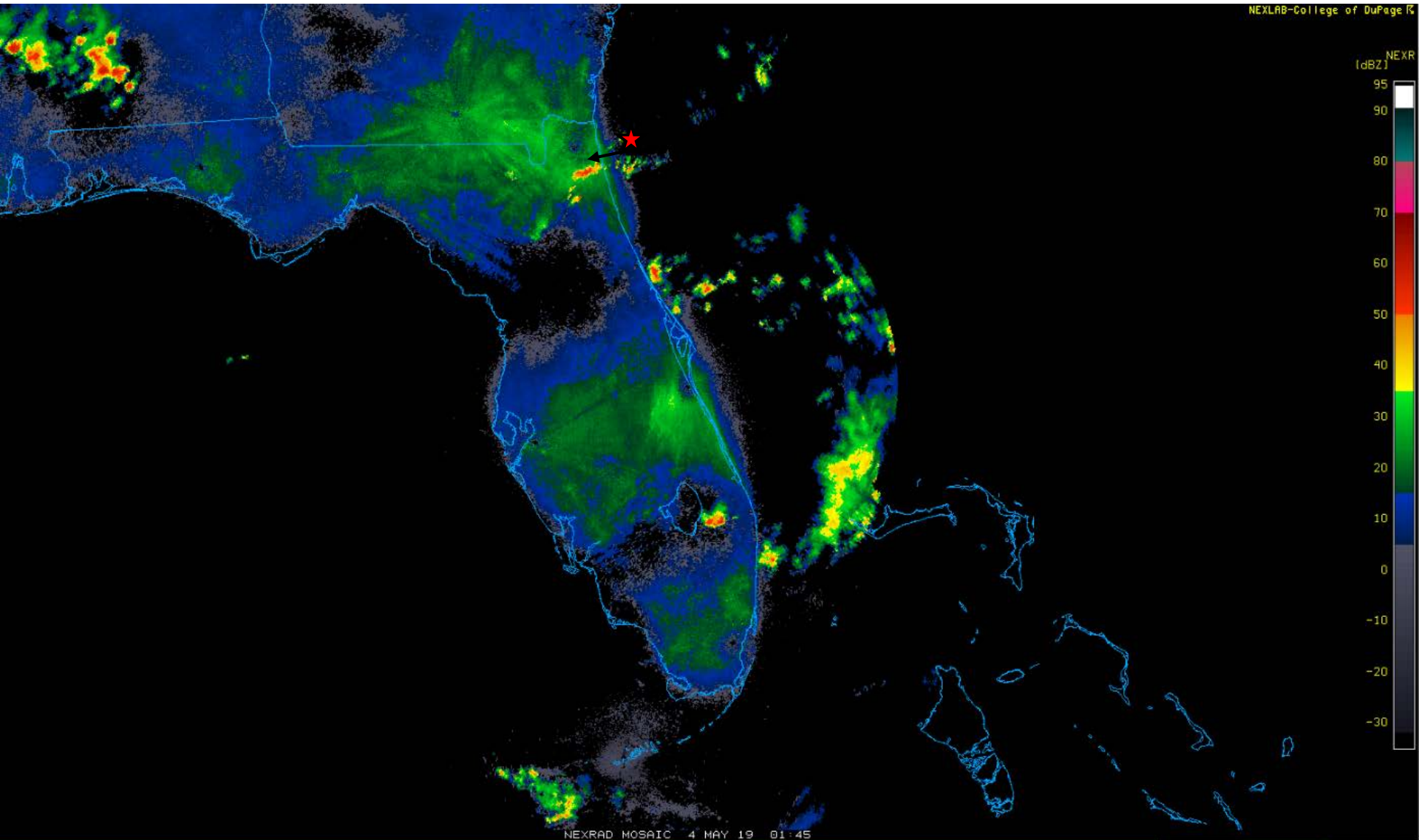
040158Z MAY 19





NEXRAD MOSAIC

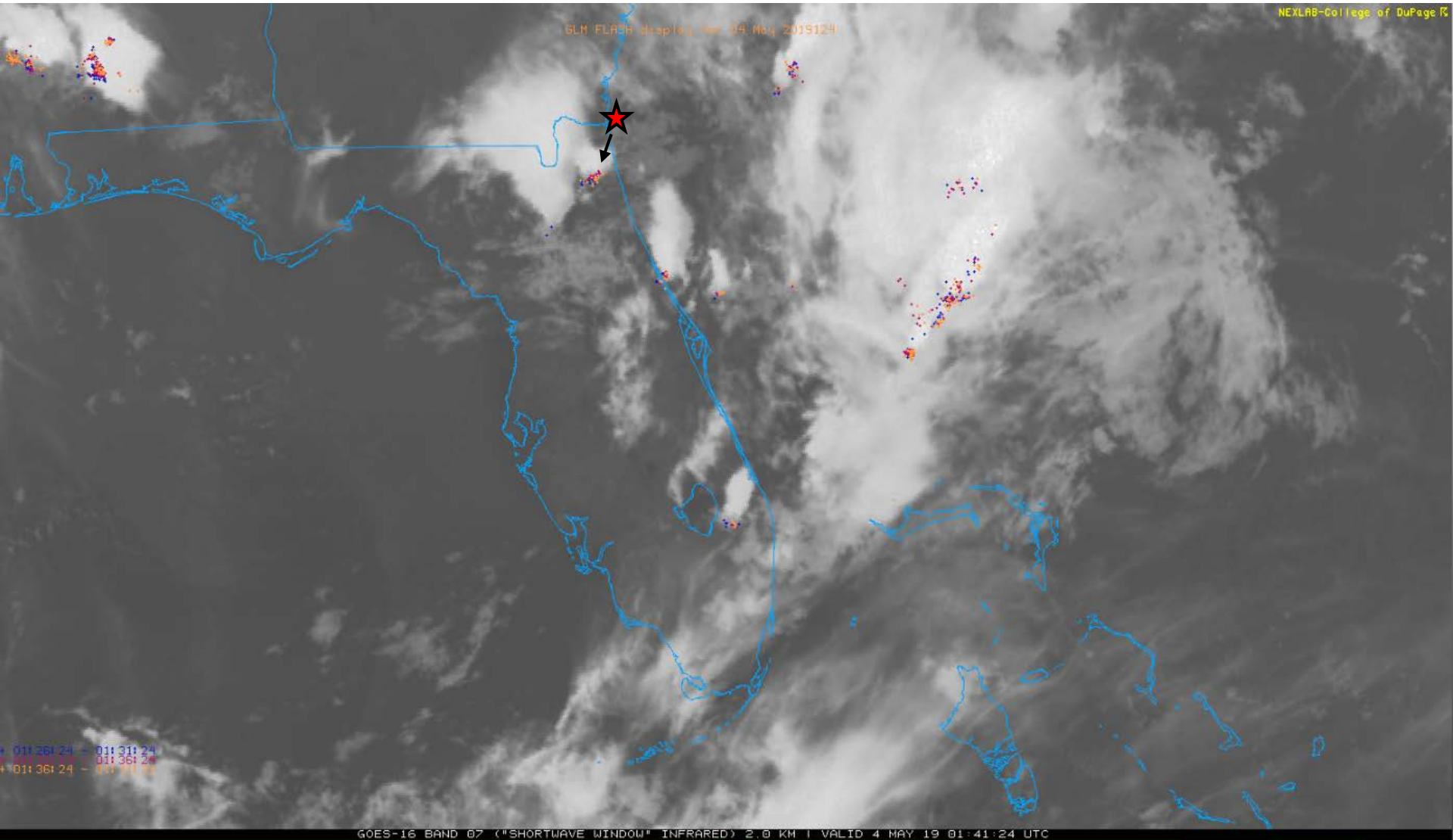
040145Z MAY 19





FWC-N Lightning Data

04/0141Z May 19

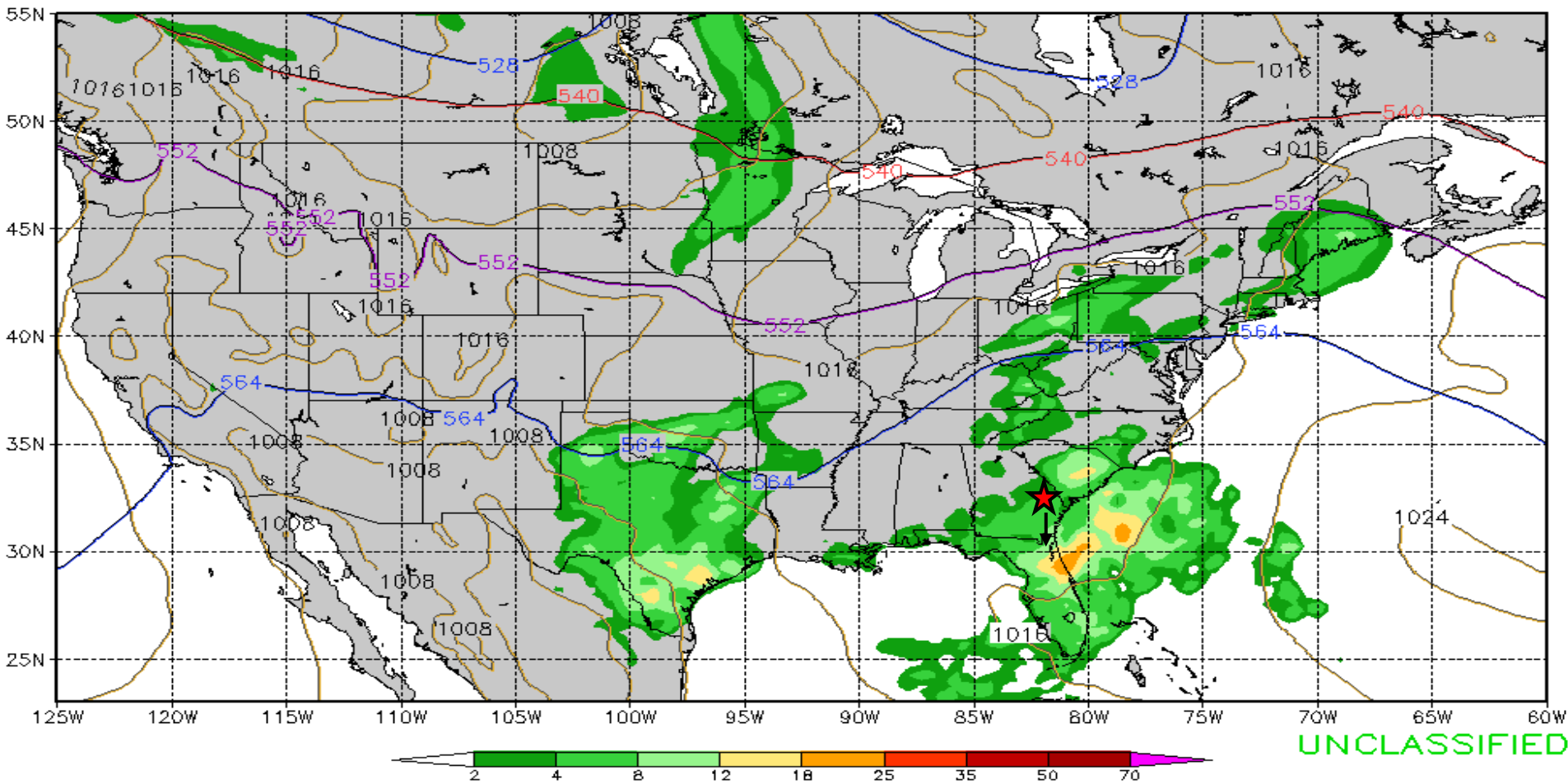




Sea Level Pressure / Precipitation

VT 040000ZMAY19

UNCLASSIFIED



VT: Sat 00Z 04 MAY 19
FNMDC NAVGEM (U): SLP[hPa]/540,528 thk 564,552 thk Line/Prev 6hr Prcp Rate [mm/6hr]
Run: 2019050318Z Tau: 6

Approved for public access. Distribution is unlimited.



METARS for NAS Jacksonville

Observations for JACKSONVILLE NAS, FL (NIP)

Location: 30.23N 81.68W 7 meters

1553Z 3 May 2019 to 1553Z 4 May 2019

Wind: SE 03 kts, vsby: 2 nm rain showers / fog,
Scattered clouds 1000 ft, broken clouds 2100 ft. Overcast 3500 ft.

STN	TIME	PMSL	ALTM	TMP	DEW	RH	DIR	SPD	VIS	CLOUDS	Weather	MIN	MAX	P01	PCP
	DD/HHMM	hPa	inHg	F	F	%	deg	kt	mile			F	F	in	in
NIP	04/1553	1014.4	29.97	83	65	55	210	11	10.0	SCT035 SCT250					
NIP	04/1453	1014.4	29.97	82	67	60	260	8	10.0	SCT024 SCT250					
NIP	04/1353	1014.8	29.98	78	68	71	250	6	10.0	SCT017 SCT250					
NIP	04/1253	1014.6	29.97	75	68	79	240	7	10.0	SCT012					
NIP	04/1153	1014.1	29.96	73	69	87	240	8	9.0	FEW007 SCT012		71	74		
NIP	04/1053	1013.6	29.95	72	68	87	220	6	7.0	FEW006 BKN011					
NIP	04/0953	1013.1	29.93	72	68	87	240	4	10.0	FEW005 FEW250					
NIP	04/0853	1013.4	29.94	72	69	91	260	9	10.0	SCT007 SCT250					
NIP	04/0753	1013.5	29.94	73	69	87	250	7	10.0	FEW010 FEW090 SCT250					
NIP	04/0653	1013.9	29.95	73	69	87	240	6	10.0	FEW020 FEW110 SCT250					
NIP	04/0553	1013.6	29.95	74	69	85	200	5	10.0	FEW020 FEW110 SCT250		73	78		0.74
NIP	04/0453	1014.4	29.97	76	70	82	210	4	10.0	FEW015 BKN090 BKN250					
NIP	04/0353	1014.7	29.98	76	72	88	200	3	10.0	FEW015 BKN090 BKN250					
NIP	04/0253	1014.7	29.98	76	72	88	240	5	10.0	FEW010 SCT040 BKN120				0.00	0.74
NIP	04/0153	1014.9	29.98	73	69	87	130	3	2.0	SCT010 BKN021 OVC035 +RSRA FG				0.74	
NIP	04/0053	1014.3	29.97	77	72	84	0	0	10.0	SCT010 BKN030 BKN045 -RA				0.00	
NIP	03/2353	1013.3	29.94	78	69	74	120	4	10.0	FEW015 SCT030 BKN120		78	84		0.01
NIP	03/2253	1013.0	29.93	78	72	81	190	4	10.0	FEW020 SCT035 BKN065				0.01	
NIP	03/2153	1013.1	29.93	81	70	69	130	7	10.0	SCT020 BKN035 BKN065 TS				0.00	
NIP	03/2053	1013.1	29.93	81	70	69	130	4	10.0	FEW020 SCT035 BKN080					
NIP	03/1953	1013.5	29.94	80	71	74	190	9	10.0	FEW015 SCT035 BKN180 TS					
NIP	03/1853	1014.0	29.96	81	70	69	180	10	10.0	SCT030 BKN070 BKN150					
NIP	03/1753	1014.4	29.97	82	69	65		4	10.0	SCT025 BKN030 BKN065		74	83		0.00
NIP	03/1653	1015.0	29.99	81	70	69	180	12	10.0	SCT020 SCT030 BKN048					
NIP	03/1553	1015.6	30.00	80	70	71	180	9	10.0	SCT020 SCT030 BKN048				0.00	



TAF for NAS Jacksonville

**TAF KNIP 0323/0423 18004KT 9999 VCTS SCT015 BKN030CB
BKN100 BKN250 532809 533705 QNH2991INS**

**TEMPO 0323/0404 VRB10G20KT 4800 SHRA BR SCT010
BKN020CB BKN080 BKN250**

Wind: variable 10 kts gusts to 20 kts, vsby: 3 nm rain showers / mist,
Scattered clouds 1000 ft, broken clouds 2000 ft, 8000 ft and 25000 ft

**FM040400 23005KT 9999 SCT015 SCT060 BKN250 522809
523705 QNH2990INS**

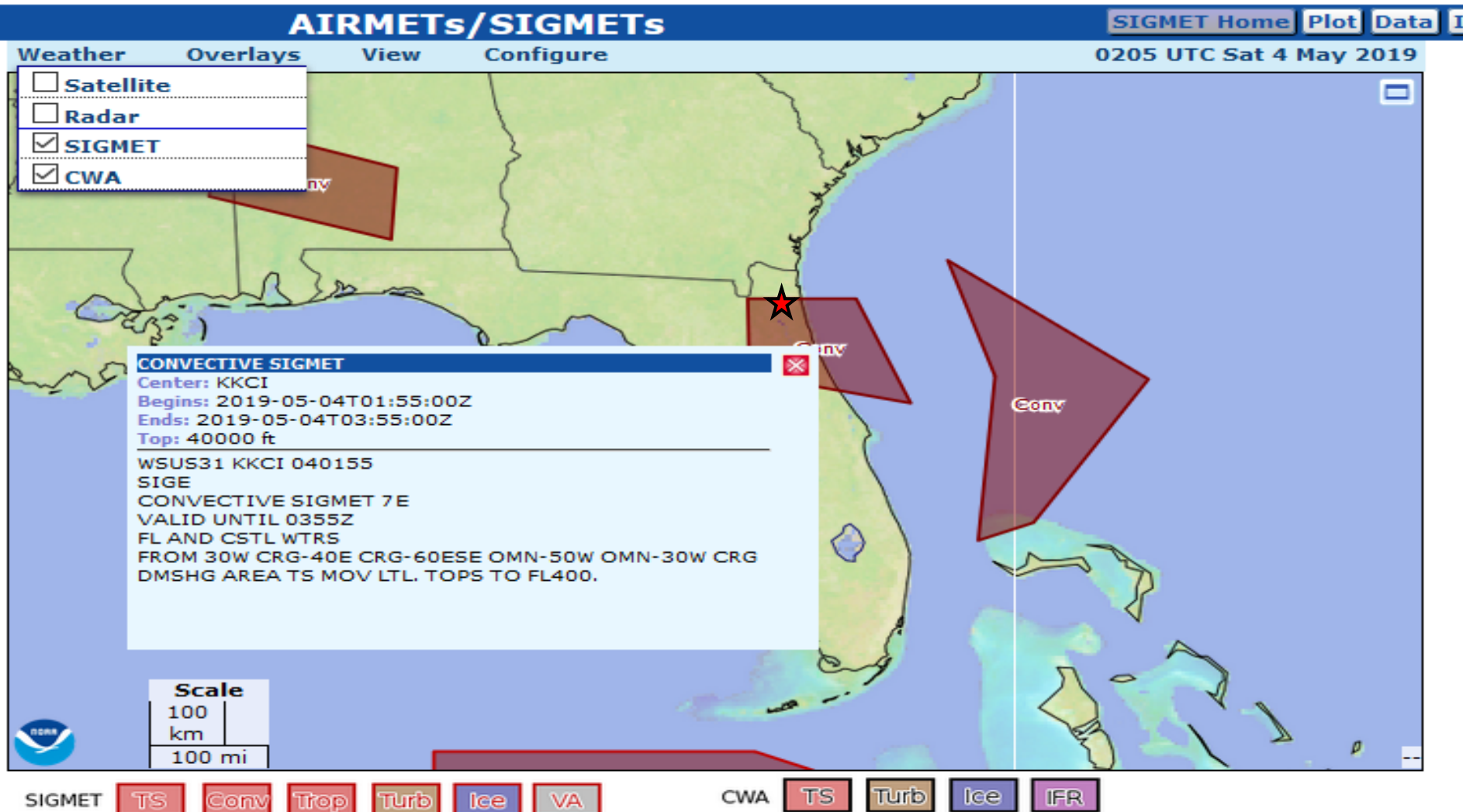
TEMPO 0407/0413 VRB04KT SCT005 BKN015 BKN250

**FM041500 23008KT 9999 FEW020 SCT040 BKN250 500000
QNH2992INS**

**FM041800 23010KT 9999 VCSH SCT030 BKN060 BKN250
QNH2984INS T22/0411Z T32/0419Z FN20061**



SIGMETs at 040205ZMAY19



Disclaimer: International SIGMET locations approximated. Please refer to SIGMET text for full details



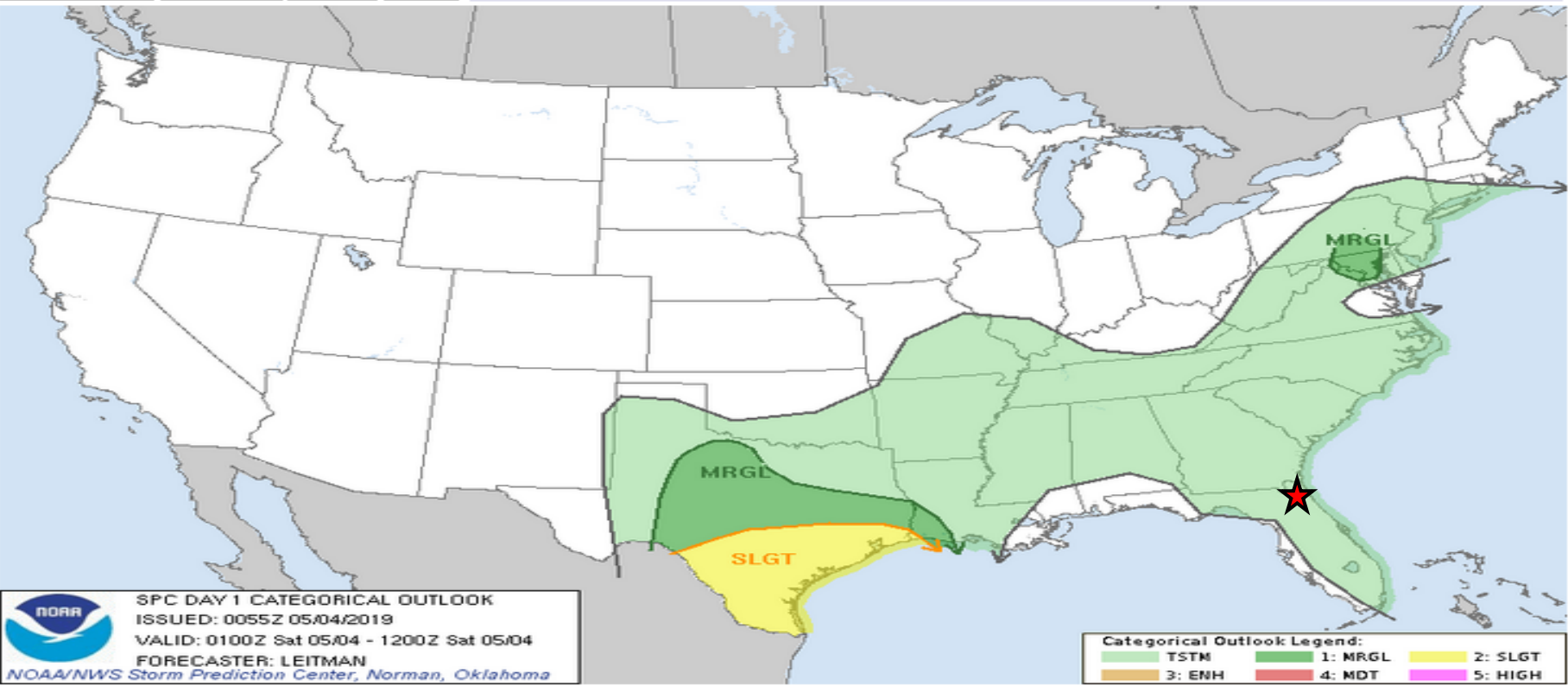
SPC 040507ZMAY19

[Day 2 Outlook >](#)

May 4, 2019 0100 UTC Day 1 Convective Outlook

Updated: Sat May 4 00:55:45 UTC 2019 ([Print Version](#) | [S](#) | [F](#))
[Probabilistic to Categorical Outlook Conversion Table](#)

Categorical **Tornado** **Wind** **Hail** ☐ Pop. ☐ Cities ☐ CWAs ☐ RFCs ☐ Interstates ☐ Counties ☐ ARTCC ☐ FEMA Regions



NOAA
SPC DAY 1 CATEGORICAL OUTLOOK
ISSUED: 0055Z 05/04/2019
VALID: 0100Z Sat 05/04 - 1200Z Sat 05/04
FORECASTER: LEITMAN
NOAA/NWS Storm Prediction Center, Norman, Oklahoma

Categorical Outlook Legend:
TSTM 1: MRGL 2: SLGT
3: ENH 4: MDT 5: HIGH

Categorical Day1 0100Z Outlook			
Day 1 Risk	Area (sq. mi.)	Area Pop.	Some Larger Population Centers in Risk Area
SLIGHT	71,288	12,279,219	Houston, TX...San Antonio, TX...Austin, TX...Corpus Christi, TX...Laredo, TX...
MARGINAL	94,696	12,416,736	Baltimore, MD...Washington, DC...Arlington, VA...Alexandria, VA...Waco, TX...



Thunderstorm Watch

THUNDERSTORM WATCH FOR NAS JACKSONVILLE

1. FWC-N AVN COMP JACKSONVILLE HAS EXTENDED THE THUNDERSTORM WATCH FOR NAS Jacksonville, FROM 1300 05/03/2019 UNTIL 0000 05/04/2019 LOCAL TIME.
2. SYNOPTIC: A BROAD AREA OF LOW PRESSURE MOVING OVER FLORIDA IN COMBINATION WITH DAYTIME HEATING WILL PRODUCE STORMS ACROSS THE AREA A. WINDS: VARIABLE 20 GUST 35 KNOTS B. CELLS: SW MOVING NE C. ADDITIONAL INFO: EXPECT HEAVY RAIN SHOWERS AND FREQUENT LIGHTNING WITH PASSING STORMS
3. THIS WILL EITHER BE EXTENDED OR ALLOWED TO EXPIRE BY 0000 05/04/2019.
4. FOR FURTHER INFORMATION CONTACT THE ON-SITE FORECASTER AT [REDACTED] OR RESOURCE PROTECTION DUTY OFFICER AT [REDACTED] OR VISIT OUR CUSTOMER SUPPORT SITE AT [REDACTED]

LAST MODIFIED 1842 05/03/2019

EXTENDED BY [REDACTED]

FWCN-2019-05-0036

CLOSE

UNCLASSIFIED//FOUO



Thunderstorm Warnings

THUNDERSTORM WARNING FOR NAS JACKSONVILLE

1. FWC-N AVN COMP JACKSONVILLE IS ISSUING A THUNDERSTORM WARNING FOR NAS JACKSONVILLE, FROM 1730 05/03/2019 UNTIL 1900 05/03/2019 LOCAL TIME.

2. SYNOPTIC: A BROAD AREA OF LOW PRESSURE MOVING OVER FLORIDA, IN COMBINATION WITH DAYTIME HEATING AND ABUNDANT TROPICAL MOISTURE, WILL GENERATE STORMS THAT WILL IMPACT N.A.S JACKSONVILLE. A. WINDS: VARIABLE AT 20 KNOTS, GUSTING TO 35 KNOTS B. CELLS: SW-W MOVING NE-E C. ADDITIONAL INFO: EXPECT HEAVY RAIN SHOWERS AND FREQUENT LIGHTNING WITH PASSING STORMS.

3. THIS WARNING WILL EITHER BE EXTENDED OR ALLOWED TO EXPIRE BY 1900 05/03/2019.

4. FOR FURTHER INFORMATION CONTACT THE ON-SITE FORECASTER AT [REDACTED] OR RESOURCE PROTECTION DUTY OFFICER AT [REDACTED] OR VISIT OUR CUSTOMER SUPPORT SITE AT [REDACTED]

LAST MODIFIED 1722 05/03/2019

ISSUED BY [REDACTED]

FWCN-2019-05-0044

CLOSE

THUNDERSTORM WARNING FOR NAS JACKSONVILLE

1. FLEET WEATHER CENTER NORFOLK HAS EXTENDED THE THUNDERSTORM WARNING FOR NAS Jacksonville, FROM 2200 05/03/2019 UNTIL 2300 05/03/2019 LOCAL TIME.

2. SYNOPTIC: A BROAD AREA OF LOW PRESSURE MOVING OVER FLORIDA IN COMBINATION WITH DAYTIME HEATING WILL PRODUCE STORMS ACROSS THE AREA. A. WINDS: VARIABLE 20 GUST 35 KNOTS. B. CELLS: SW MOVING NE. C. ADDITIONAL INFO: EXPECT HEAVY RAIN SHOWERS AND FREQUENT LIGHTNING WITH PASSING STORMS.

3. THIS WILL EITHER BE EXTENDED OR ALLOWED TO EXPIRE BY 2300 05/03/2019.

4. FOR FURTHER INFORMATION CONTACT THE RESOURCE PROTECTION DUTY OFFICER AT [REDACTED], OR VISIT OUR CUSTOMER SUPPORT SITE AT [REDACTED]

LAST MODIFIED 2152 05/03/2019

EXTENDED BY [REDACTED]

FWCN-2019-05-0046

CLOSE



Thunderstorm Warnings Issued 040046ZMAY19

1. FLEET WEATHER CENTER NORFOLK IS ISSUING A THUNDERSTORM WARNING FOR NAS JACKSONVILLE, FROM 2105 05/03/2019 UNTIL 2200 05/03/2019 LOCAL TIME.

2. SYNOPTIC: A BROAD AREA OF LOW PRESSURE MOVING OVER FLORIDA IN COMBINATION WITH DAYTIME HEATING WILL PRODUCE STORMS ACROSS THE AREA. A. WINDS: VARIABLE 20 GUST 35 KNOTS. B. CELLS: SW MOVING NE. C. ADDITIONAL INFO: EXPECT HEAVY RAIN SHOWERS AND FREQUENT LIGHTNING WITH PASSING STORMS.

3. THIS WARNING WILL EITHER BE EXTENDED OR ALLOWED TO EXPIRE BY 2200 05/03/2019.

4. FOR FURTHER INFORMATION CONTACT THE RESOURCE PROTECTION DUTY OFFICER AT [REDACTED], OR VISIT OUR CUSTOMER SUPPORT SITE AT [REDACTED]

5. SERIAL NUMBER: [REDACTED]

ISSUED BY [REDACTED]
[REDACTED]